

**Clean. Protect. Preserve.**

**Your resource for metal cleaners and corrosion control**



# What we do

## RESTORE STAINLESS STEEL

The corrosion resistance of stainless steel depends on the presence of an invisible protective oxide surface. Activities such as welding, coarse grinding, use of carbon steel tools can embed grease, dirt and iron into the surface, damaging the passive protective layer. Handling and transport of stainless steel is often a frequent source of contamination.

For 40 years, Bradford Derustit has provided **pickling** products that will restore a clean surface to the standard of the original corrosion resistance. Using our pickling products will give a better result than alternative surface treatments such as grinding and polishing.

- Improve surface finish
- Consistent results
- Clean, brighten and passivate stainless steel
- Pickling and passivating in one easy step
- Prevent corrosion
- Efficient
- Save time and money
- Eliminate labor intensive grinding and buffing

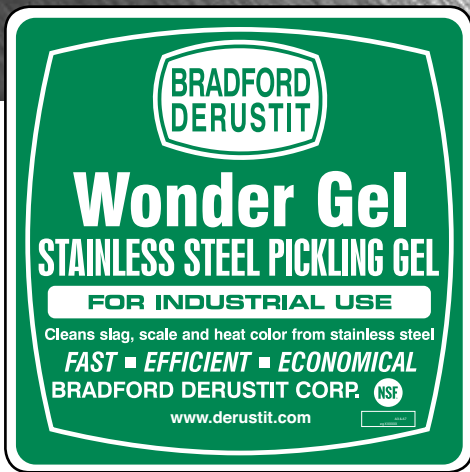


## PICKLING AND PASSIVATION

**PICKLING** is the complete removal of oxides, scale and contamination from stainless steel surfaces.

**PASSIVATION** is the regeneration of the passive film that protects the stainless steel surface to resist corrosion.

Passivation will start immediately after the complete removal of contamination. It may take approximately 24 hours to achieve maximum effectiveness.



# Wonder Gel™

Wonder Gel™ is powerful, fast-acting and simple to use. No mixing or measuring—apply directly to surfaces to remove stubborn impurities. Wonder Gel™ cleans the toughest slag, scale and heat color from stainless steel.

The corrosion resistance of stainless steel depends on the presence of an invisible protective chromium oxide surface.

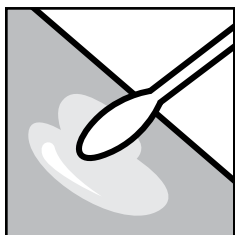
Operations such as welding, grinding or exposure to carbon can damage the passive protective layer. Wonder Gel™ restores a clean surface to the original corrosion resistant properties.

- Pickles
- Removes weld scale, black oxides and discoloration from the surface of stainless steels
- Restores the protective oxide layer
- Easy to use
- Extended shelf life
- Passivates

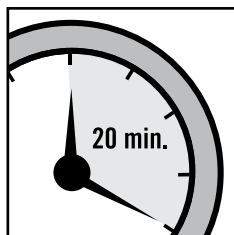


One gallon covers approximately 50 square feet or 1,000 feet of weld bead.

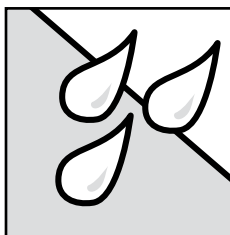
## HOW TO USE THE WONDER GEL STAINLESS STEEL PICKLING GEL



**1.** Apply a thick layer of Wonder Gel with an acid resistant brush or other appropriate applicator. Room temperature or warmer is recommended.



**2.** Allow the gel to set for approximately 10 minutes. (*Longer for heavier discoloration.*) If desired, use a stainless steel or non-metallic bristled brush and lightly scrub.



**3.** Wipe off the product and contain soiled rags in appropriate container to treat. Rinse surface thoroughly with water. Let air dry.



**4.** Neutralize rinse to required pH (7) with calcium hydroxide  $[\text{Ca}(\text{OH})_2]^*$ , 2.2 pounds per gallon. Dispose of neutralized material in accordance with applicable local regulations. Repeat if necessary.

Once the surface is rinsed and all of the contamination has been removed, the stainless steel will passivate spontaneously once it is exposed to air. The protective layer will be restored.

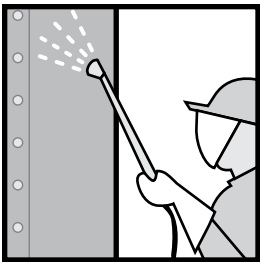
\*  $[\text{Ca}(\text{OH})_2]$  - Common Name: Hydrated Lime

# Derustit SS-3™

## For stationary or immersible applications

Derustit SS-3™ is available in liquid or paste formulations for immersible or stationary applications. Each is equally effective on large surface areas and weld beads.

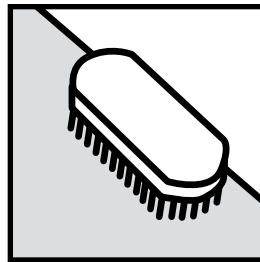
## HOW TO USE DERUSTIT SS-3™ LIQUID



**1.** Dip, spray or brush the Derustit SS-3™. Using a plastic container, immerse the surface to be treated into a bath of Derustit SS-3™ liquid.



**2.** Let the surface soak in the liquid for 2-15 minutes (longer for very heavy scale). Rinse area thoroughly with water.



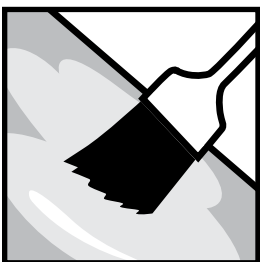
**3.** Remove loose scale with a stainless steel or plastic bristle brush. For exceptionally heavy scale, repeat the process.



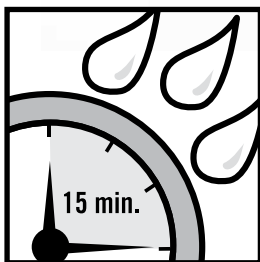
- Easy to use
- Restores full corrosion resistance to treated surfaces
- Protect valuable stainless steel
- Cleans up easily
- Long shelf life
- Purchase in quantity for greater savings



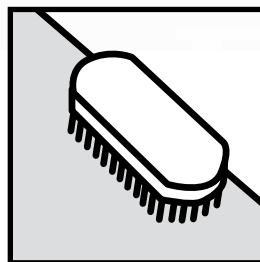
## HOW TO USE DERUSTIT SS-3™ PASTE



**1.** Apply a thick layer using an acid resistant brush or applicator. *Paste may settle during shipment. Stir to thicken.*




**2.** Allow the paste to set for 15 minutes on the surface.



**3.** Remove loose scale with a stainless steel or plastic bristle brush. For exceptionally heavy scale, repeat the process.

### AVAILABLE IN:

- 55 Gallon Drums (liquid only)
- 5 Gallon Pails (liquid only)
- 4 Gallon Case
- 1 Gallon

 [www.nsfwhitebook.org](http://www.nsfwhitebook.org)



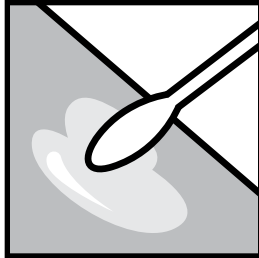


# B-P No.1 Brightner™

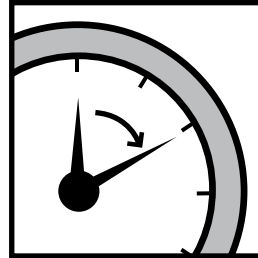
B-P No. 1 Brightner™ removes heat stains, tarnish and discoloration from copper, brass, bronze, aluminum, stainless and other metals. Restores beauty to dull and tarnished items.

## EASY AS 1-2-3

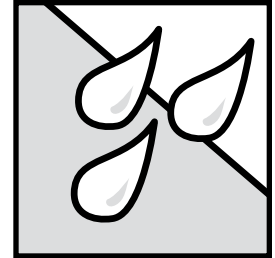
- Powerful concentrated solution
- Saves time and reduces labor intensive polishing
- Use as a dip or topical cleaner
- Professionally cleans metal surface, which is then ready to be polished, if desired
- Can be used as a prep for metals prior to painting
- Needs no mixing—ready to use



**1.** Simply dip, wipe or spray.



**2.** Removal action can be immediate to a few minutes, depending on oxidation.



**3.** Rinse thoroughly with water.

**BEFORE**

**AFTER**



### AVAILABLE IN:

- 55 Gallon Drums
- 5 Gallon Pails
- 4 Gallon Case
- 1 Gallon Containers

# B-P Metal Cleaner™

## Efficient Rust Remover

B-P Metal Cleaner™ removes rust, scale and oxides from ferrous and non-ferrous metals. Avoid labor intensive sanding or grinding which can trap more rust in crevices and pits causing rust to come back. After the item is dry, it is ready to be coated with paint, oil, or electroplated.

## Environmentally Friendly

B-P Metal Cleaner™ is non-corrosive. It requires no special equipment for handling. It will not harm sound metal finishes\*, wood, plastic, paint, rubber, concrete, fabric or other materials. It is halogen-free, virtually odorless and gives off no toxic fumes.

## Biodegradable

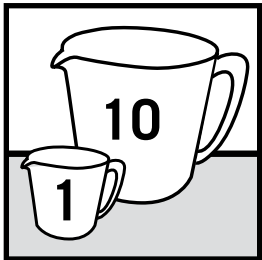
B-P Metal Cleaner™ is biodegradable, it does not require a neutralizing agent for disposal. This eliminates water pollution problems often encountered with other cleaners.

\* Except zinc and cadmium, as on galvanized steels which require careful control.

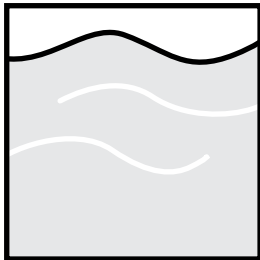


- Remove Rust
- Restore Beauty
- Rust attacks, eating away at metal surfaces until it becomes virtually worthless

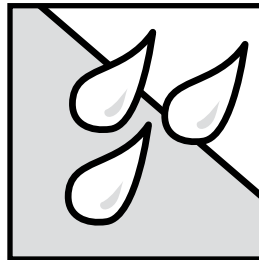
## EASY AND ECONOMICAL



**1.** A little goes a long way. Simply mix one part B-P Metal Cleaner™ with up to 10 parts water.



**2.** Soak your item until the rust and/or oxides are gone.



**3.** Rinse with water and lightly brush, if necessary rinse with water again. After the item is dry, it is ready to be coated with paint, oil or electroplated.

### AVAILABLE IN:

55 Gallon Drums  
5 Gallon Pails  
4 Gallon Case  
1 Gallon

## REMOVE, RESTORE, RECYCLE

AFTER



BEFORE

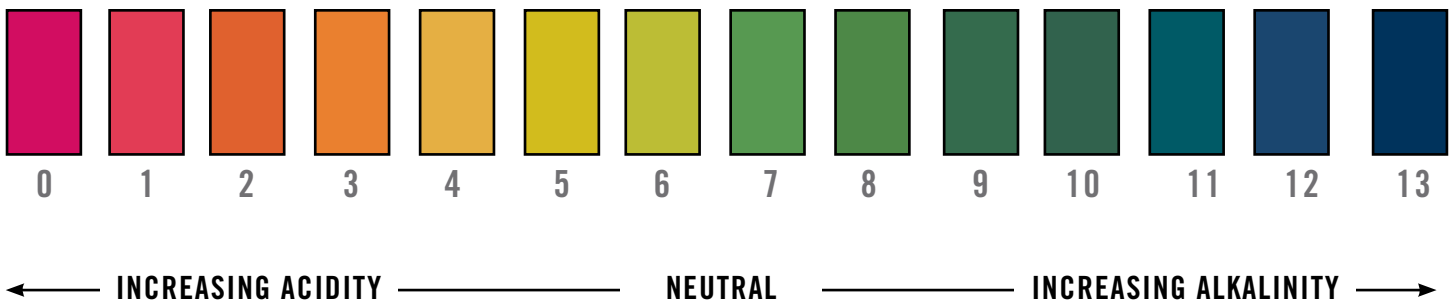
# Bradford Derustit pH Test Kit



**A SIMPLE, SINGLE COLOR MATCH FOR TESTING THE pH VALUE OF RINSE WATER, AFTER USING BRADFORD DERUSTIT METAL CLEANERS.**

- Distinct and easily matched color separations.
- Accurate readings with a immediate response.
- Simply tear off a small strip of pH paper.
- Dip into the solution.
- Instantly compare the resulting color with the matching pH color chart.

## pH SCALE



In chemistry, pH is a measure of the acidity or basicity of an aqueous solution. Solutions with a pH less than 7 are said to be acidic and solutions with a pH greater than 7 are basic or alkaline. Pure water has a pH very close to 7.

Disclaimer: All information provided is for informational purposes only. Please refer to your local governmental regulations and dispose of all material accordingly.





Manufacturing metal  
cleaners since 1967.

**BRADFORD DERUSTIT® CORP.**

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